

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 02209002
PUBLICATION DATE : 20-08-90

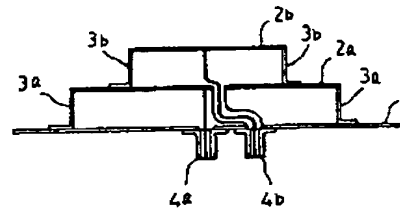
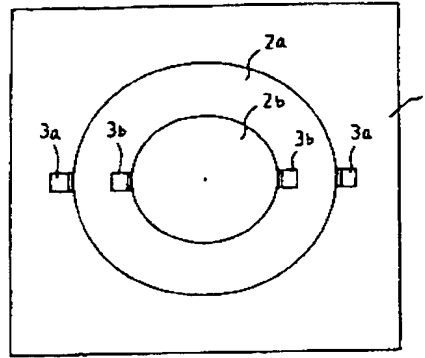
APPLICATION DATE : 09-02-89
APPLICATION NUMBER : 01030219

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : ABE HISASHI;

INT.CL. : H01Q 13/08 H01Q 5/00

TITLE : ANTENNA SYSTEM



ABSTRACT : PURPOSE: To radiate a radio wave in a direction in parallel with a face of a ground plate by arranging 1st and 2nd metallic plates above the ground plate and short-circuiting both ends opposite to each other of both metallic plates with the ground plate and the metallic plates respectively.

CONSTITUTION: A radio wave in a frequency f_1 fed from a coaxial connector 4a stimulates an electric field between a ground plate 1 and a 1st metallic plate 2a. Then a radio wave having the same directivity pattern as that of a loop antenna whose length is equal to the circumferential length of a metallic plate 2a is radiated between a ground plate 1 and the 1st metallic plate 2a. Moreover, a radio wave in a frequency f_2 fed from a coaxial connector 4b excites an electric field between the ground plate being the 1st metallic plate 2a and the 2nd metallic plate 2b. Then a radio wave having the directivity pattern the same as that of the loop antenna taking the circumferential length of the plate 2b as the entire length is radiated. Thus, a radio wave is radiated in the same plane as the ground plate 1 and the antenna is used for an antenna using the two frequencies f_1 and f_2 in common.

COPYRIGHT: (C)1990,JPO&Japio